

FIG. 1

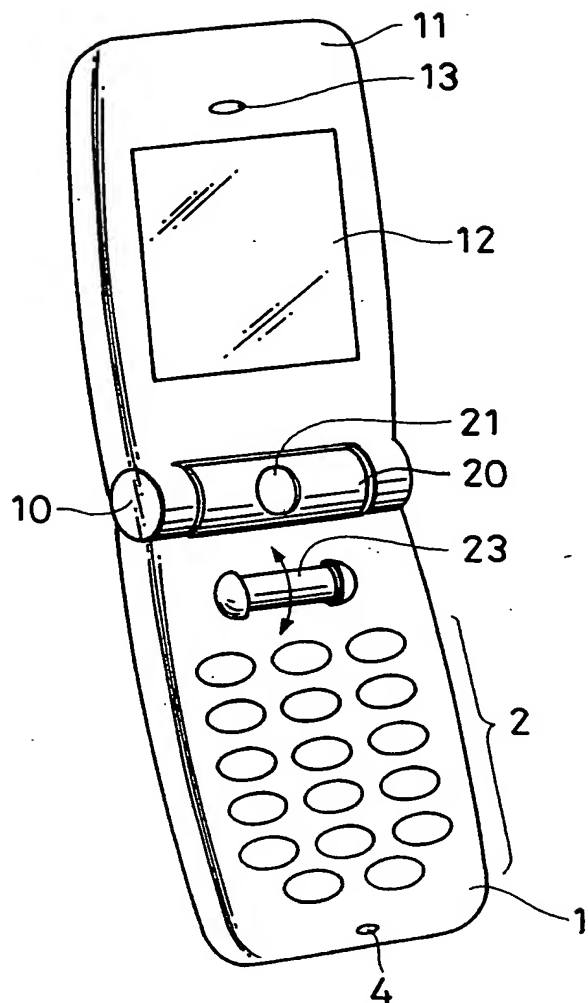


FIG. 2

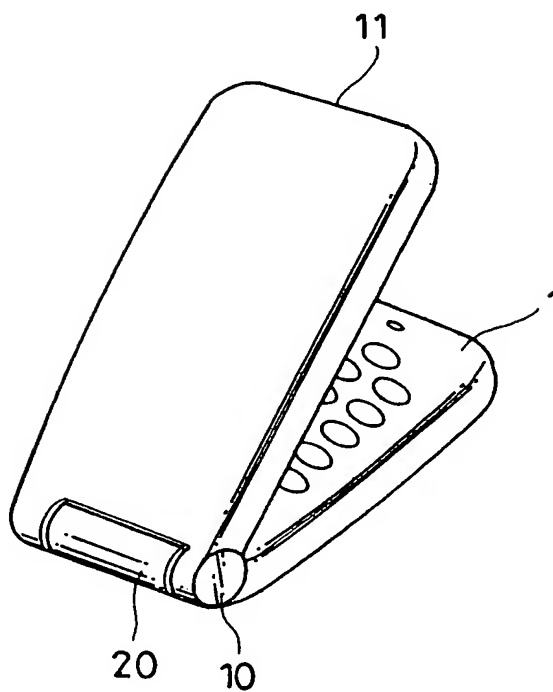
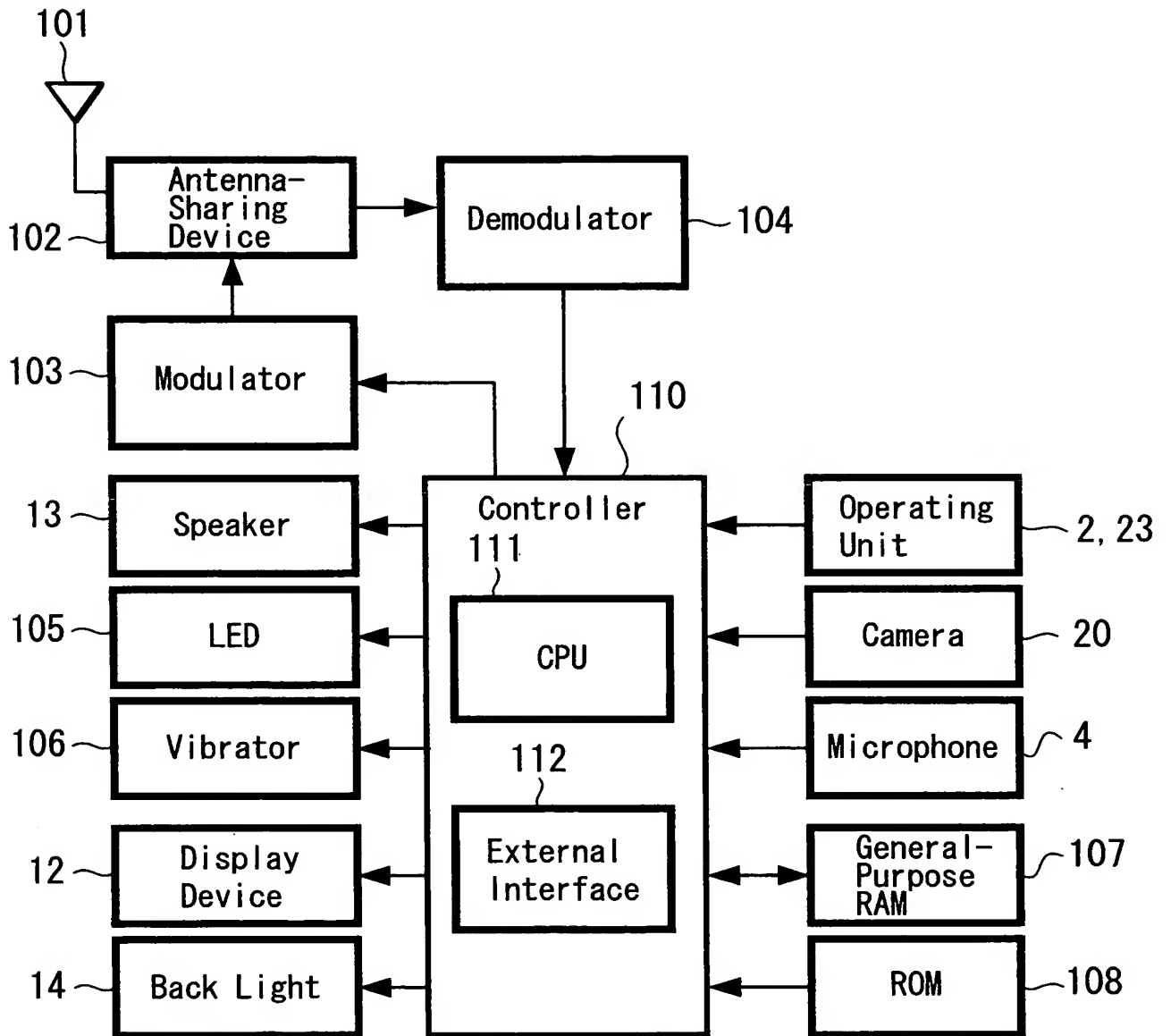
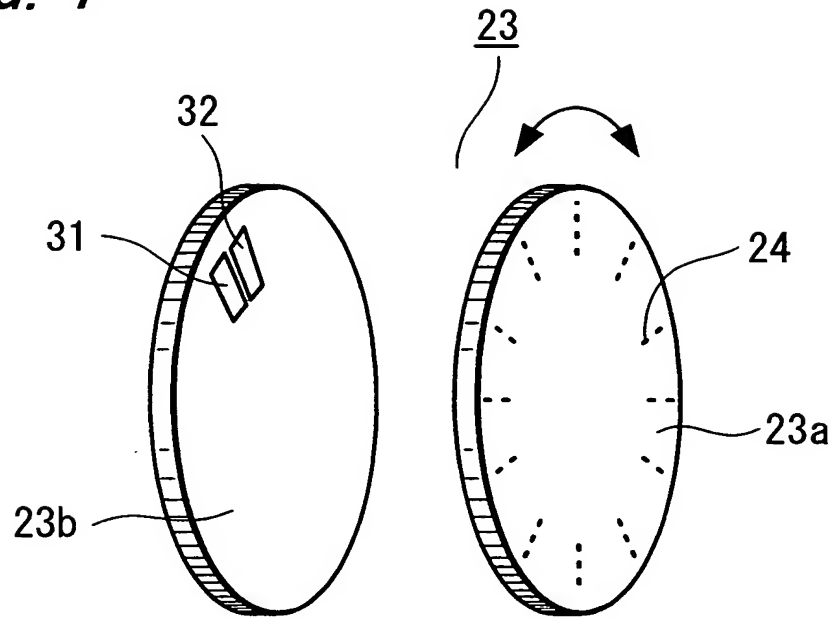


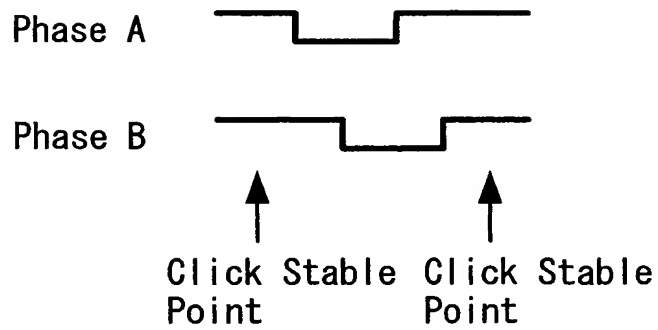
FIG. 3



**FIG. 4**



**FIG. 5**



**FIG. 6**

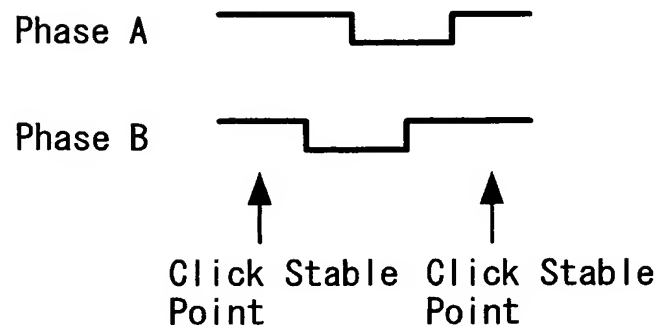
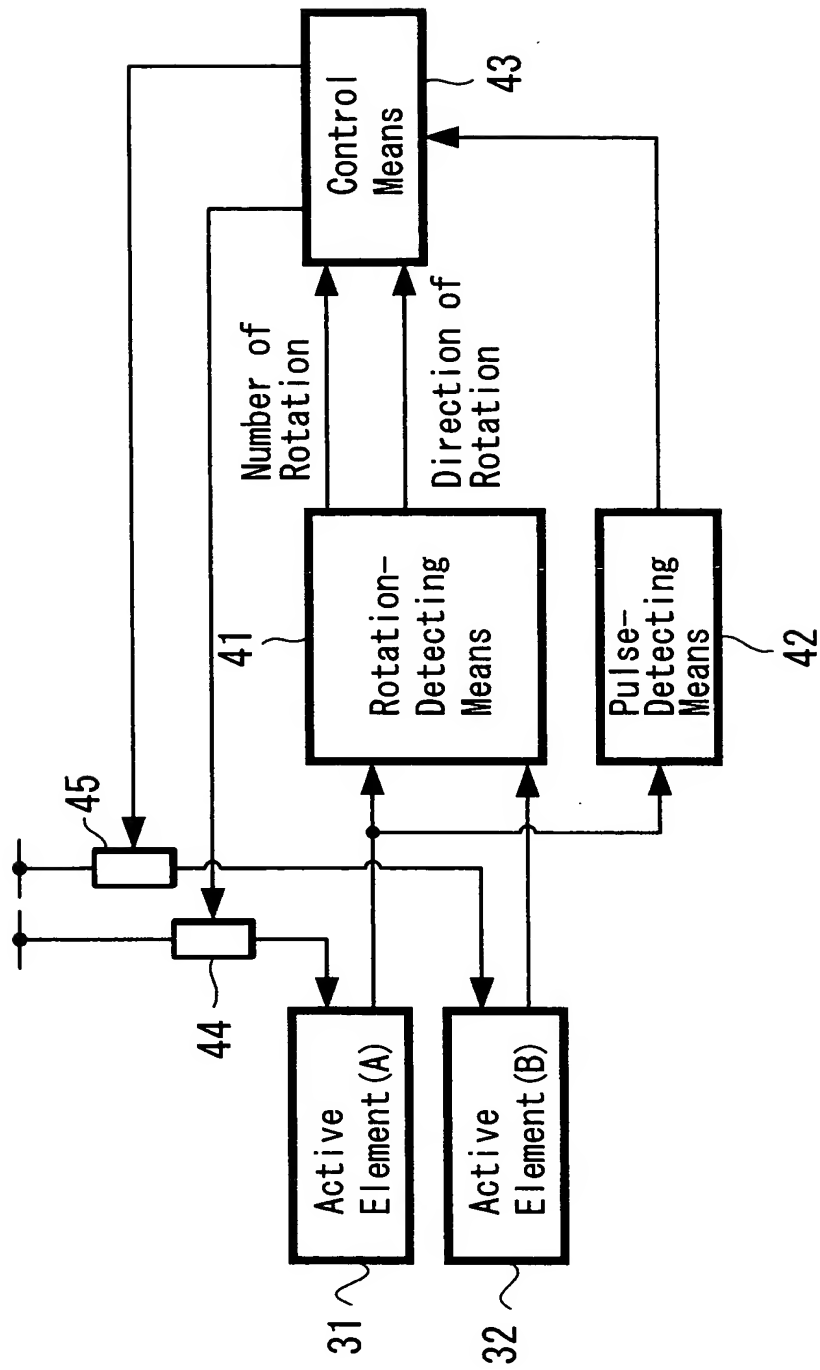


FIG. 7



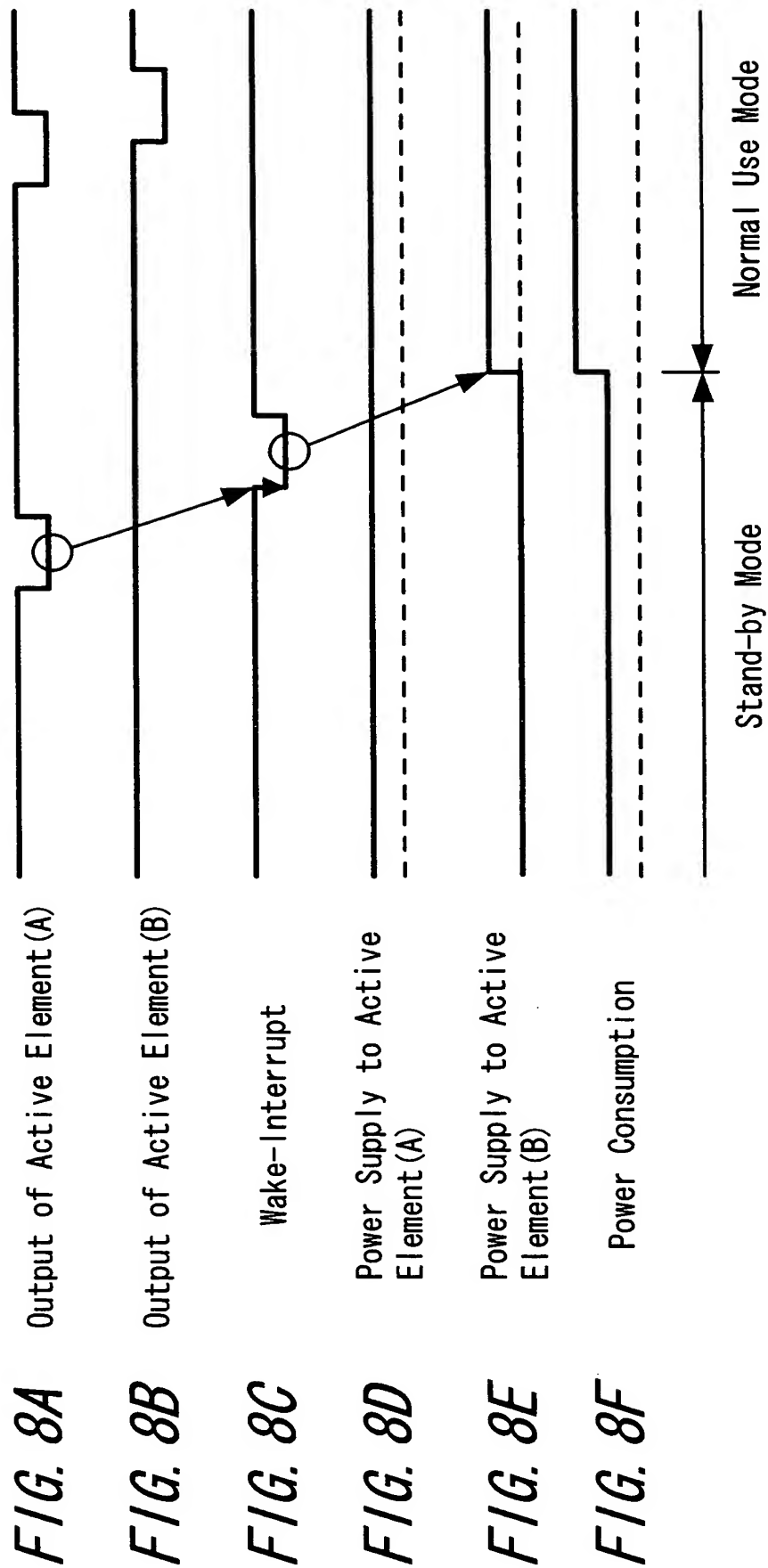


FIG. 9

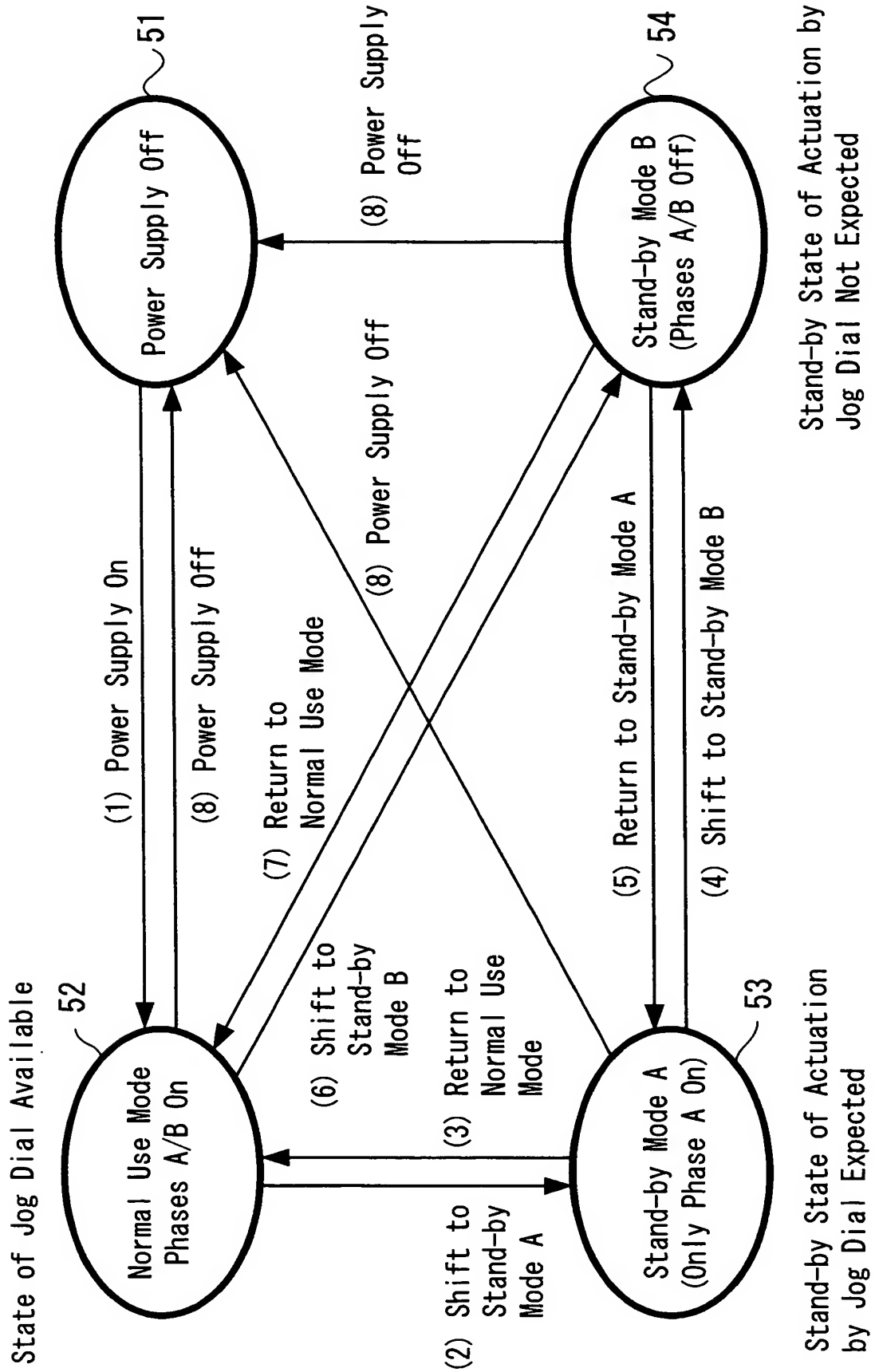


FIG. 10

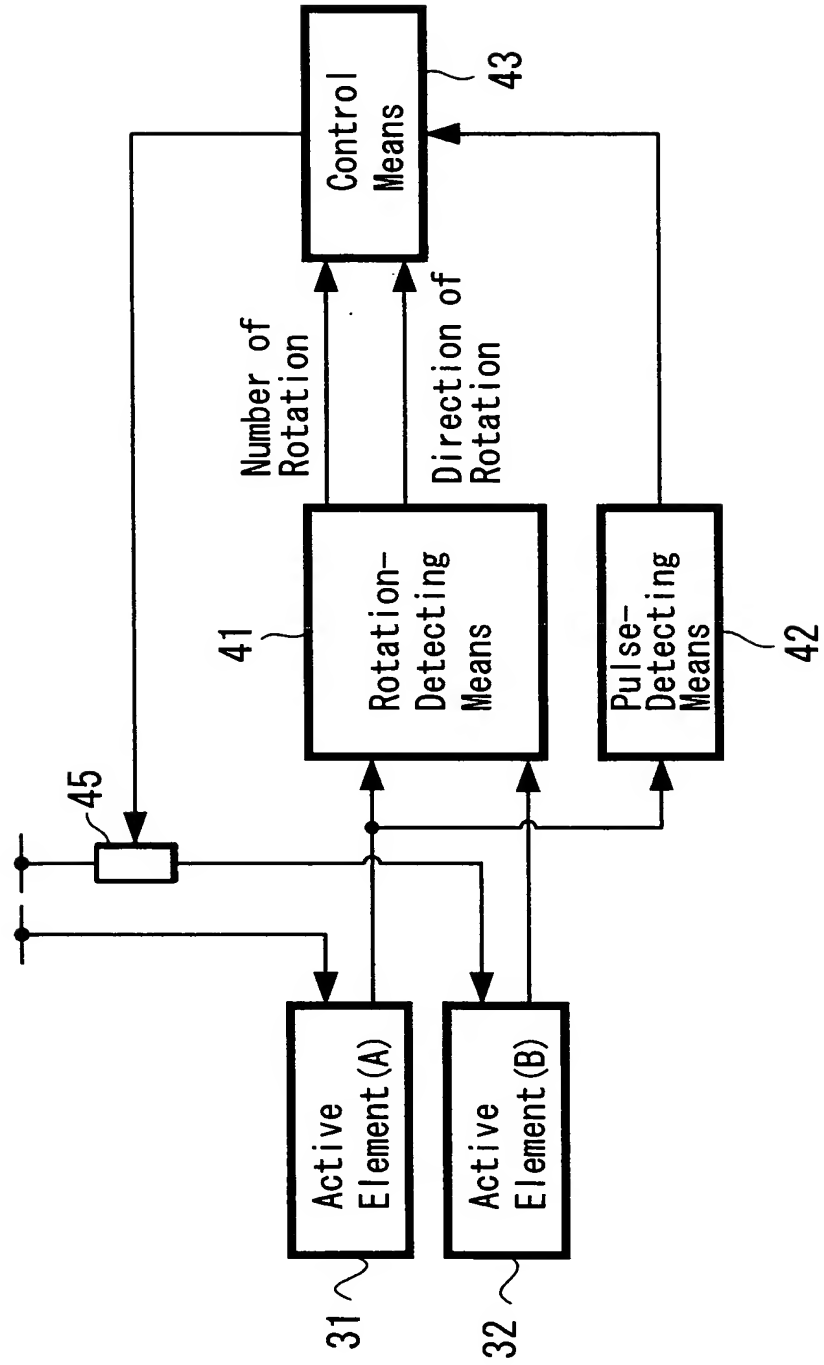


FIG. 11

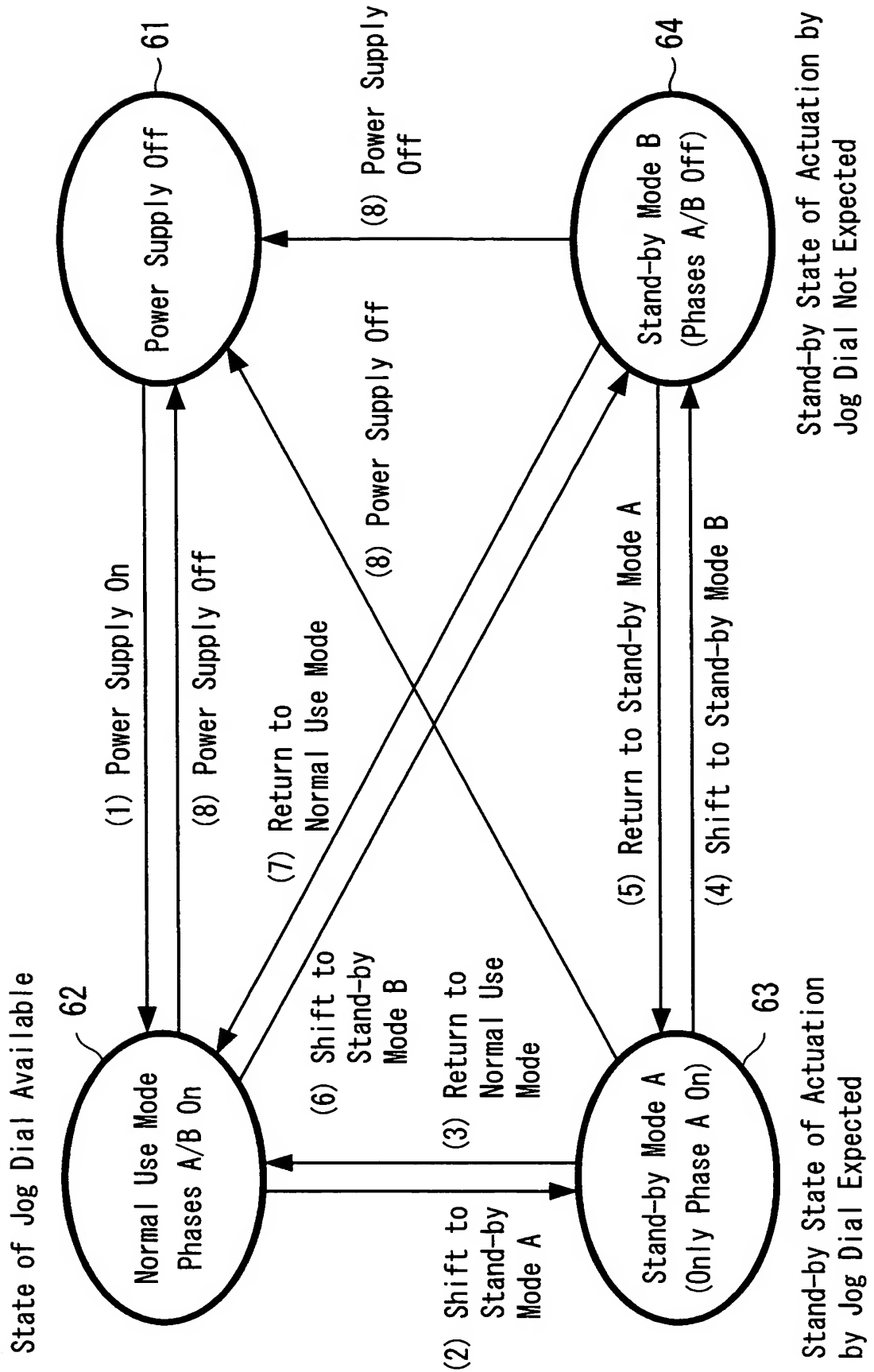




FIG. 12

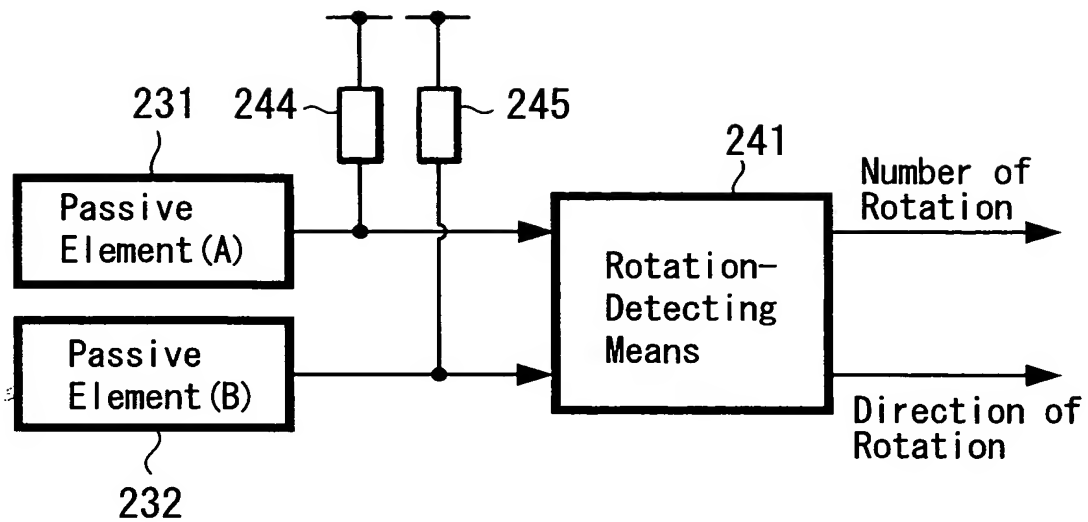


FIG. 13

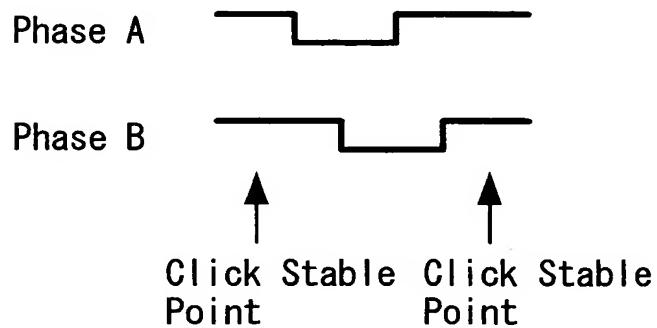
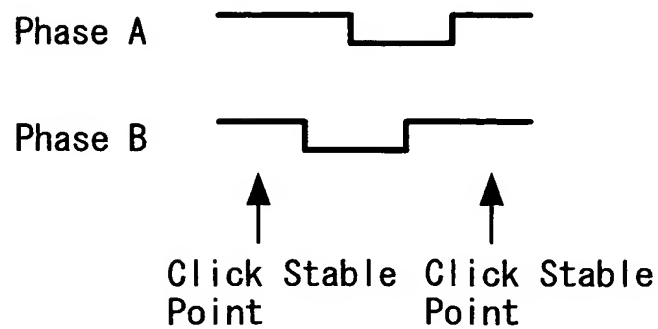


FIG. 14



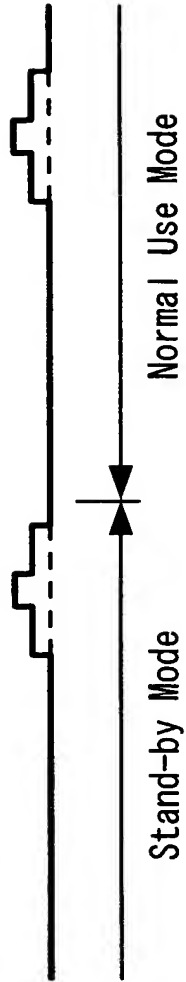
**FIG. 15A** Output of Passive Element (A)



**FIG. 15B** Output of Passive Element (B)



**FIG. 15C** Power Consumption



## DESCRIPTION OF REFERENCE SYMBOLS

1 ... .. LOWER CASING

2 ... .. OPERATION UNIT GROUP

4 ... .. MICROPHONE

10 ... .. HINGE PORTION

11 ... .. UPPER CASING

12 ... .. DISPLAY DEVICE (LCD)

13 ... .. SPEAKER

14 ... .. BACK LIGHT

20 ... .. CAMERA

21 ... .. LENS

23 ... .. JOG DIAL

23a... .. ROTARY DISC (ROTARY BODY)

23b... .. FIXED DISC

24 ... .. MAGNET

31, 32 ... .. ACTIVE ELEMENT

41 ... .. ROTATION-DETECTING MEANS

42 ... .. CONTROL MEANS

43 ... .. PULSE-DETECTING MEANS

44, 45 ... .. SWITCHING MEANS

101 ... .. ANTENNA

102 ... .. ANTENNA-SHARING DEVICE

103 ... .. MODULATOR

104 ... .. DEMODULATOR

105 ... .. LED

106 ... .. VIBRATOR  
110 ... .. CONTROLLER  
111 ... .. CPU  
112 ... .. EXTERNAL INTERFACE  
231, 232 ... .. PASSIVE ELEMENT  
241 ... .. ROTATION-DETECTING MEANS  
244, 245 ... .. RESISTOR